



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140361

Mode: Highway

Status: Submitted

US-17 BUS (Marine Blvd)

From/Cross Street: SR 1308 (Bell Fork Rd)

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Regional Impact

Length: 0.5

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$465,000

Description:

Add left turn lane to northbound US 17B and right turn lane to westbound SR 1308

Division(s): Division 3

County(s): ONSLOW

MPOS(s)/RPO(s): Jacksonville Urban MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 69.85

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 83.35 Multimodal + [Freight & Military] (25%) 11.65 [Travel Time] Benefit/Cost (20%) 100.00	Percent: 15% Points: 74	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 43.75		

Division Needs Total Score: 55.48

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 63.23 Safety (20%) 83.35 Multimodal + [Freight & Military] (10%) 11.65	Percent: 25% Points: 100	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 30.48		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	46963.92
Capacity:	63400
Volume/Capacity Ratio:	0.74
% Autos:	95%
% Trucks:	5%
Truck Volume:	2329.41
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	66.7
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	TWLTL
Pavement Condition Rating:	98
Actual Congested Speed:	29.98
Travel Time Index:	1.5

Project Benefits

Project Cross-Section:	
Speed Limit:	45
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	7694000
Travel Time Savings for 30 Years (Autos):	7312377.65
Travel Time Savings for 30 Years (Trucks):	381622.35
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	JUMPO 2040 LRTP
CTP/LRTP Completion Year:	2015
Submitted by:	Jacksonville Urban MPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	74	100
	0%	0	0
	0%	0	0
TOTAL Division Points		74	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Jacksonville Urban MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$375,000	Cost Estimation Tool
Right-of-Way Cost:	\$90,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$465,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$465,000	